

Finding of No Significant Impact (FONSI)

Project: North Logan City Sewer Trunk Line
Prepared by: Cache Landmark Engineering
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Project Overview and Need

The proposed project involves the construction of a portion of the North Logan City Sewer Trunk Line. The new 48-inch gravity sewer line will connect to existing infrastructure to serve future growth in North Logan City. These upgrades are part of the City's Sewer Master Plan and Capital Improvement Plan (CIP), and are necessary to maintain the needed wastewater capacity for the North Logan system.

Construction will occur primarily within existing public road rights-of-way, utility easements, and agricultural land. Installation depths will range between 15 and 24 feet. All disturbed areas will be restored following construction. The project will have no significant environmental impacts.

Alternatives Considered

Several alternatives were evaluated:

1. **Tri-City Wastewater Treatment Plant:** North Logan City, Hyde Park, and Smithfield considered constructing a new joint wastewater treatment facility near the Logan Airport. This alternative was determined to be financially and operationally infeasible.
2. **Lift Station Upgrade:** Upgrading the existing lift station shared by Smithfield and Hyde Park to include North Logan City was evaluated. However, the lift station and associated trunk lines were not designed to handle North Logan's flows, making this a non-viable option.
3. **Selected Alternative – New Trunk Line:** The chosen alternative is the construction of a new sewer trunk line connecting to Logan City's wastewater system and treatment plant. Effort was put into reviewing the best alignment to minimize impacts to streams, wetlands, and trees. This alternative minimizes environmental impacts and provides the most efficient, long-term wastewater solution.

Disturbed Land Description

The project area consists of previously farmed agricultural land (with easements), existing road right-of-way, and utility easements. While the surface has been previously altered through agricultural use or land development, the subsurface soils at the proposed excavation depth has not been previously disturbed. Construction activities will include trenching, pipe installation, backfilling, and site restoration within defined disturbance limits.

Endangered Species

A review of the U.S. Fish and Wildlife Service (USFWS) database identified the Ute Ladies'-tresses orchid (*Spiranthes diluvialis*) as a federally listed threatened species, Monarch Butterfly (*Danaus plexippus*) as proposed threatened species, and Suckley's Cuckoo Bumble Bee (*Bombus suckleyi*) as a proposed endangered species in Cache County. The USFWS report indicates that no critical habitats are identified for any of these species within the project area. Existing land use data confirm that the project area is composed of agricultural land or roads that do not support suitable habitat conditions or any of these species. Therefore, the project will have no effect on Ute Ladies'-tresses, Monarch Butterfly, or Suckley's Cuckoo Bumble Bee or their respective habitats.

Cultural and Historic Preservation

No historic or cultural properties are known or anticipated within the project corridor. The existing soil composition, including silt layers and high moisture content, is not conducive to the preservation of historic materials. However, because excavation will extend below previously disturbed depths, there remains a potential for encountering cultural or historical artifacts. If any archaeological materials, human remains, or other cultural resources are discovered during construction, all work in the immediate area will cease, and the Utah State Historic Preservation Office (SHPO) will be notified and consulted. A cultural resource protection procedure will then be implemented under SHPO's direction.

Other Environmental Considerations

- There are no federally designated wetlands within the project limits.
- No FEMA-designated floodplains are located within the project limits.
- No tree removal is required for this project.
- The project will not impact or convert prime agricultural land.

Finding of No Significant Impact

Based on the analysis of environmental impacts, the proposed project will not have a significant impact on the human environment.